



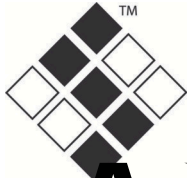
SMARTPRO

AURA IQ

SYNTHETIC DIAMOND SCANNER

USER MANUAL BOOK

W E L C O M E



SMARTPRO

AURA IQ



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I. DISCLAIMERS, EXCLUSIONS AND LIMITATIONS OF LIABILITY

Please read and note **SMARTPRO WARRANTY TERMS AND CONDITIONS** as stated in the warranty card. Smartpro warranty for its subject to proper use by its user in accordance with all the terms and conditions as stated in the relevant user manual and shall cover only manufacturing defects.

Due to continues product improvement, Smartpro reserves the right to revise all documents including the right to make changes to the user manual book with or without notice and no obligation to notify any person of such revisions or changes. Users are advised to check Smartpro's website at www.smartproinstrument.com.

Disclaimers, Exclusions and Limitations of Liability

SmartPro shall not be responsible for any damage or loss resulting from the use of the product or user manual, and under no circumstances shall Smartpro, its manufacturer or any of its subsidiaries, licensors, distributors, resellers, servants and/or agents be liable for any direct or indirect damages resulting from the use of this product.

To maximum extent permitted by applicable law, under no circumstances shall Smartpro, its manufacturer or any of its subsidiaries, licensors, distributors, resellers, servants and/or agents be liable for any special, incidental, consequential or indirect damages howsoever caused.

SmartPro AURA IQ referred to in this user manual is provided and/or sold on “as is” basis. Except as required by applicable law, no warranties of any kind, expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

II. ABOUT SMARTPRO AURA IQ

Congratulations on choosing the SmartPro AURA IQ (SPAIQ)—a cutting-edge innovation in diamond screening technology. Engineered for precision and portability, SPAIQ is the world's smallest synthetic diamond screener capable of automatically testing both mounted jewelry and loose stones. Whether you're identifying Natural Diamonds, CVD (Chemical Vapor Deposition) Synthetic Diamonds, or HPHT (High Pressure High Temperature) Synthetic Diamonds, SPAIQ delivers fast, reliable, and professional-grade results. What's more, it effortlessly generates auto-certified test reports, bringing laboratory-level confidence to your fingertips. Experience the next generation of gem testing—compact, intelligent, and remarkably easy to use.

III. FEATURES AND ADVANTAGES



FEATURES :

- Testing Capabilities:
 - Natural Diamond
 - CVD Synthetic Diamond
 - HPHT Synthetic Diamond
 - Moissanite (no fluorescent image)
 - Cubic Zirconia
- 3-in-1 Tray Design (Loose , Separated, Jewelries)
- RGB Indicator for Device Status
- Auto-generated Test Result
- Auto-detection
- Test Certification Ready
- Test Result Sharing via Email & Whatsapp
- Screen Sharing



ADVANGES :

- Compatible with All Sizes of Jewelry
- High Camera Resolution
- Easy Test Result Viewing
- Low Current Consumption
- No External Computer/Screen Required
- Easy to Use
- Portable and Easy to Carry
- TeamViewer Online Support
- AnyDesk Online Support



IV. PRODUCT SPECIFICATIONS

| | |
|------------------------|--|
| Device Name | AURA IQ Synthetic Diamond Scanner |
| Manufacturer | Smartpro Instrument Co., Ltd |
| Testing Stones | Natural Diamonds CVD Synthetic Diamond HPHT Synthetic Diamond CZ, Moissanite (no fluorescent) |
| Detection Range | Designed for loose and mounted stones |
| Stone Colors | Colorless to Near Colorless (D –M) |
| Stone Size | 0.002 carats and above (minimum diameter: 1.00 mm) |
| Stone Cut | Any Cuts |
| Time Duration per Test | 10-15 Secs. |

PRODUCT SPECIFICATIONS

| | |
|------------------|---|
| Power Supply | External Adapter Interchangeable Power Supply Input:100-240 VAC 1.3A 50-60Hz Output:24V 2.1A 50.4W 1.2m UL2468 22A WG lead |
| Power Cable Type | Capacitive Touchscreen LCD Display 4 inches, 720x720 pixels |
| Device Display | 2GB RAM, 16GB |
| Device Memory | Android |
| Operating System | 11MP 4K USB2.0 Camera Module |
| Camera | Approx. 2,000,000 tests |
| Lamp Life | Small Tray Setup : 125 x 122 x 154 mm. |
| Dimensions | Large Tray Setup : 197 x 197 x 137 mm. NET 2.3 Kg |
| Weight | Do not obstruct the ventilation holes |
| Requirements | Do not touch sensitive panels (see page 12) |



V. TESTER OVERVIEW



**COMPACT
DESIGN**

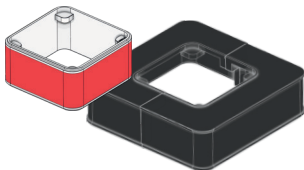


Touchscreen
LCD Display

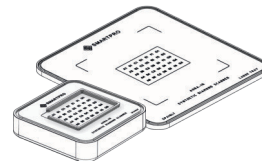


RGB LED
indicator

Changeable
Middle
Cover
(Small & Big)



Changeable
Scanning
Base / Tray
(Small & Big)



AURA IQ
Users Manual

VI. INCLUDED IN THE PACKAGE



① Middle Cover - Small

①



② Base for Jewelries - Small

②



③



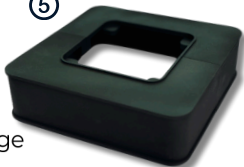
④



③ Loose stone Tray - Small

④ Loose stone Separator

⑤



⑤ Middle Cover - Large

⑥



⑦



⑥ Base for Jewelries - Large

⑦ Power Adaptor with Multiple plugs

⑧ Carrying Bag

⑧



⑨



⑨ Warranty Cards



⑩



⑩ User Manual Book

VII. POWERING DEVICE AND CAUTIONS



Power Adaptor Multiple Plugs



1 Plug the DC Power Jack

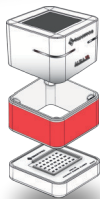


2 Push the Power Switch to turn ON the device.

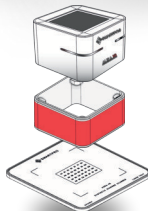


Please avoid touching this area, as it contains sensitive parts. Additionally, do not look directly at the light while the device is scanning or testing.

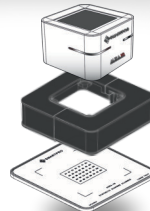
VIII. SAMPLE OF USAGE :



Loose Stone
Jewelry
Setup



Mixed
Jewelry
Setup



Large
Jewelry
Setup

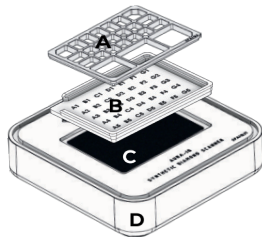
VIII. SAMPLE OF USAGE

AURA IQ with Small Base

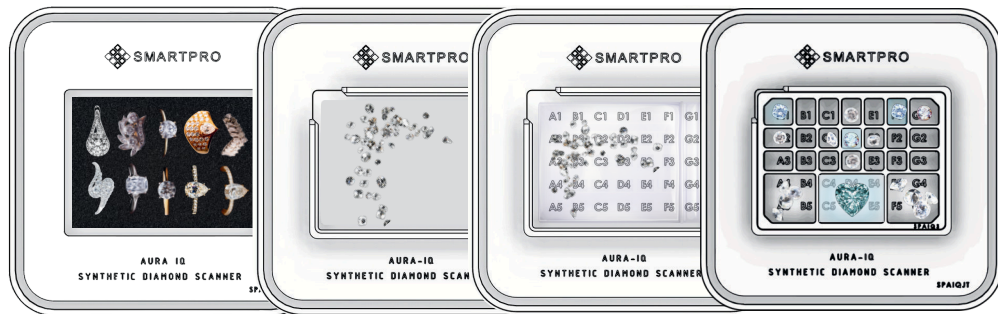


VIII. SAMPLE OF USAGE

Small Jewelries, Loose, Separated Tray



- A. Loose stone Separator
- B. Small Loose Stone Tray
- C. Jewelry Foam
- D. Small Tray Base



Small Jewelries

Loose Stones

Loose Stones
(inside transparent plastic)

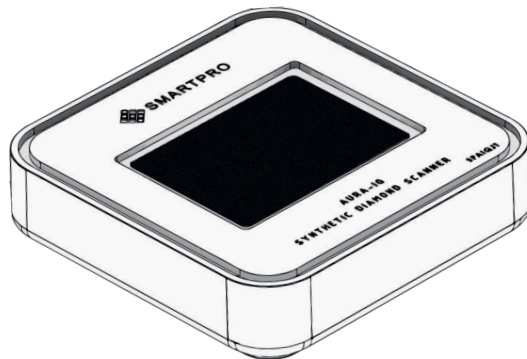
Loose Stones with Separator
(for blocking reflections from
nearby stones)

VIII. SAMPLE OF USAGE

Small Tray Base for Small Jewelries



Small Jewelries

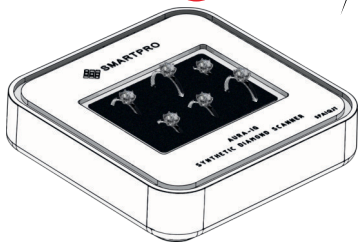


VIII. SAMPLE OF USAGE

Small Tray Base for Small Jewelries



VS



- Do not place stones or Jewelry over the Detection Area (black foam area).

- Arrange the Jewelries on the same height as possible to get a better camera focus for the best detection process.

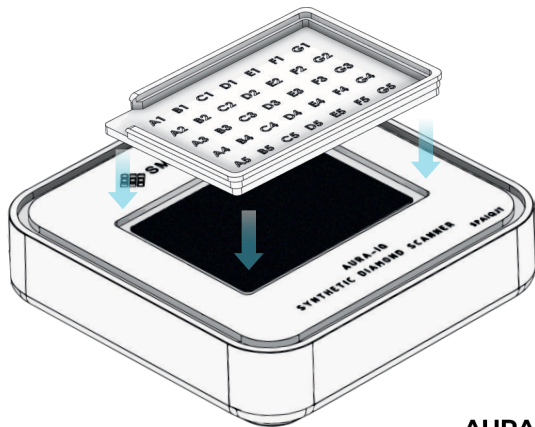
VIII. SAMPLE OF USAGE

Small Loose stone Tray

Placing the Loose Stone Tray

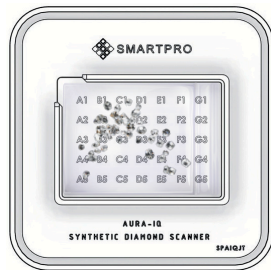
Simply place the Loose Stone Tray directly onto the rectangular area of the sponge tray no adjustments needed.

✔ Just set it in place, and you're ready to go.



Loose Stones

Loose Stones
(inside plastic)



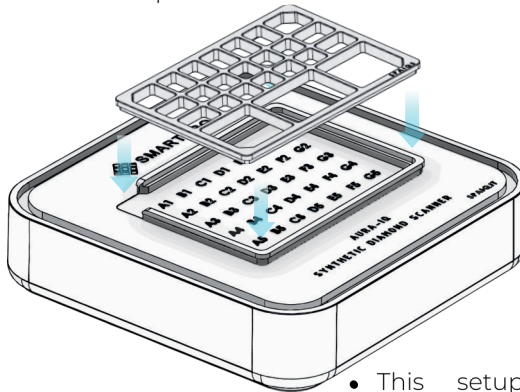
VIII. SAMPLE OF USAGE

Loose Stone Separator

Using the Loose Stone Separator

To use the Loose Stone Separator, simply place it on top of the Loose Stone Tray.

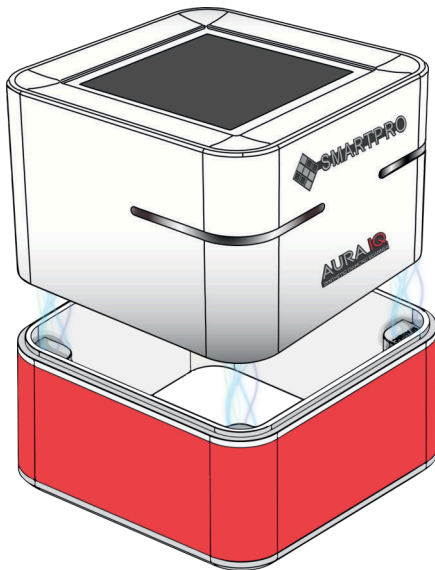
It is designed to fit securely without any additional steps.



- This setup is recommended for Strong Fluorescence Stones to prevent interference from nearby stones, which could cause mis-scanning.

VIII. SAMPLE OF USAGE

Middle Cover Setup - Small

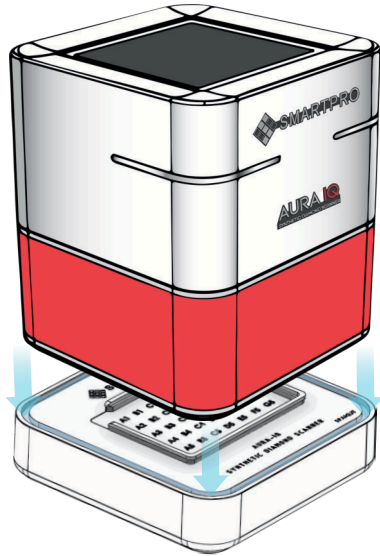


Attaching the AURA IQ to the Cover

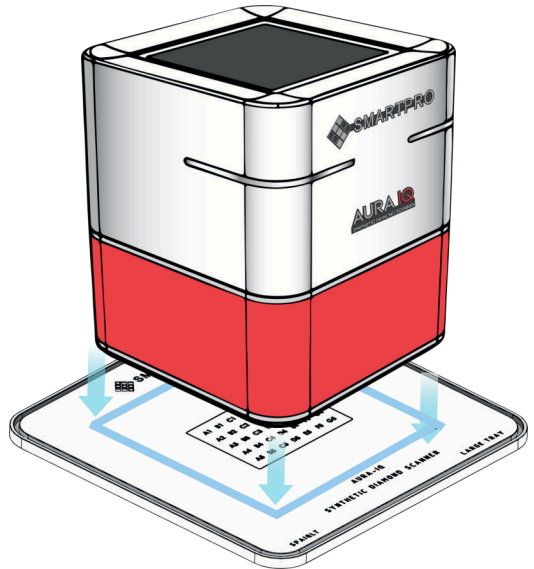
Set up the AURA IQ device by placing it on top of the Middle Cover. The built-in magnetic system will automatically guide and lock it into place with ease.

VIII. SAMPLE OF USAGE

Small & Large Tray



Attach with Small Tray



Attach with Large Tray

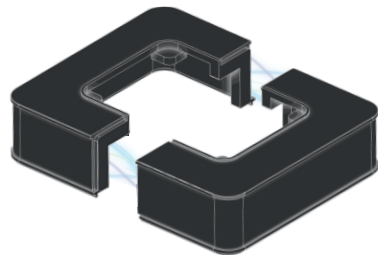
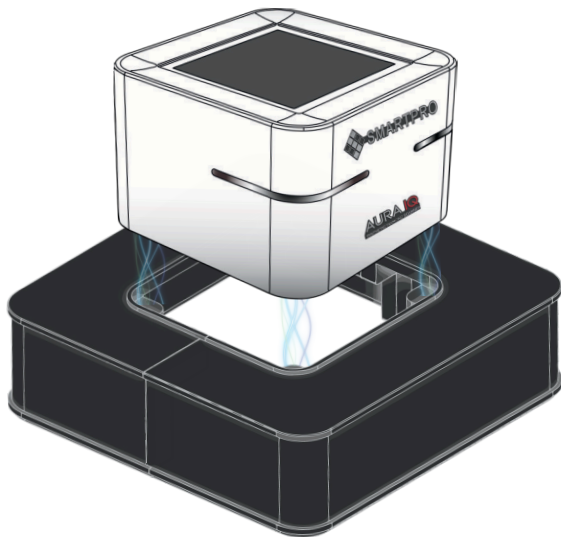
VIII. SAMPLE OF USAGE

AURA IQ with Big Base



VIII. SAMPLE OF USAGE

Middle Cover Setup - Large



Attaching the Large Cover

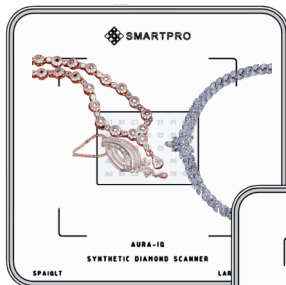
Simply align and bring the cover pieces together — the built-in magnetic system will automatically guide and lock them into place with ease.

Once secured, place the AURA IQ device on top of the assembled cover.

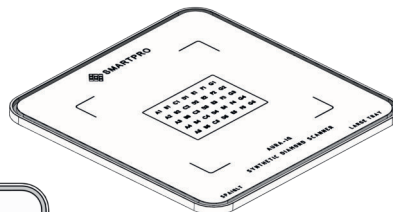
✔ No tools. No effort. Just click into place.

VIII. SAMPLE OF USAGE

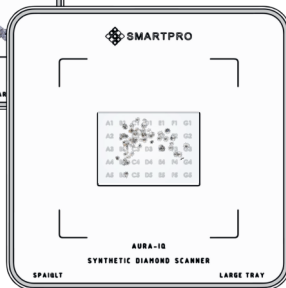
Big Jewelries, Loose stones, Large Tray



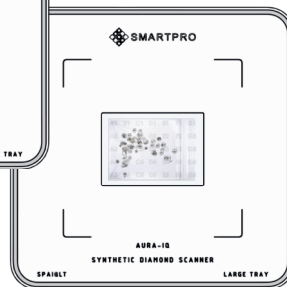
Big Jewelries



Large Loose Stone Tray



Loose Stones



Loose Stones (inside transparent plastic)

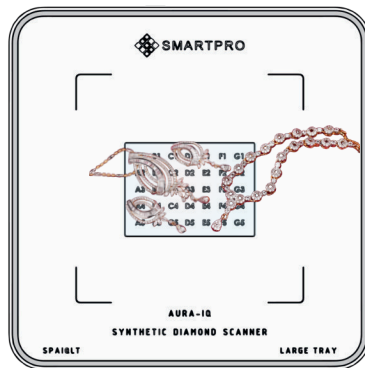
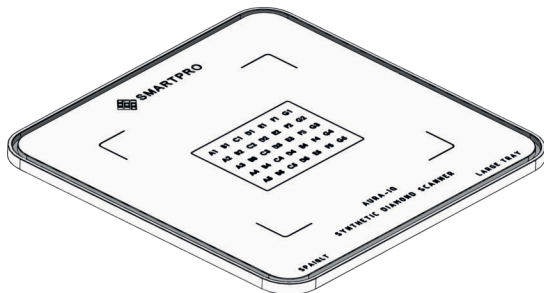
VIII. SAMPLE OF USAGE

Large Tray

Easy Jewelry Detection Area

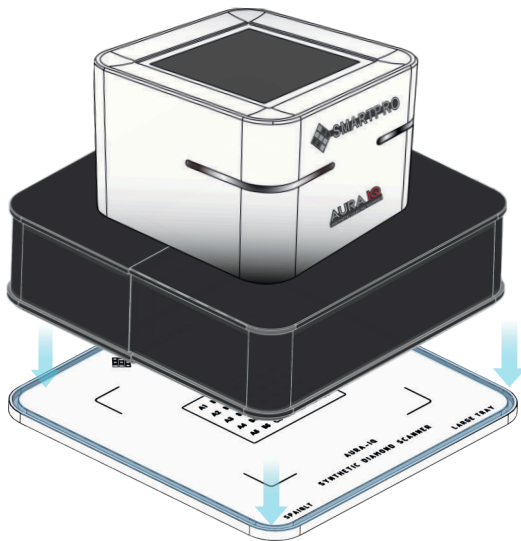
To ensure accurate scanning, simply place your jewelry inside the rectangular frame marked A to G. You can clearly check the position through the Live View Camera — no guesswork needed!

Don't worry about space — the outer area around the frame is spacious and designed to let you comfortably place larger jewelry items while getting ready.



VIII. SAMPLE OF USAGE

Large Cover & Tray

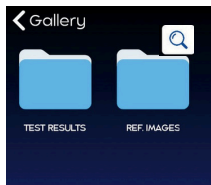


Attach with Large Tray

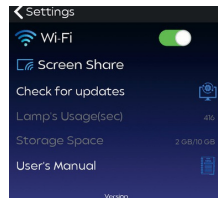
IX. MAIN PAGE OVERVIEW

Main Page

Live Camera View



Go to GALLERY



Go to Settings page



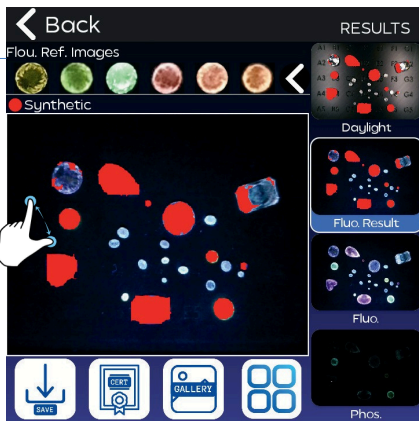
TEST Button

X.TEST RESULTS AND ANALYSIS





Result Overview

Fluo. Reference Images
(Slide the stones to see more images)

Pinch to Zoom
any of the images
to analyze the result.

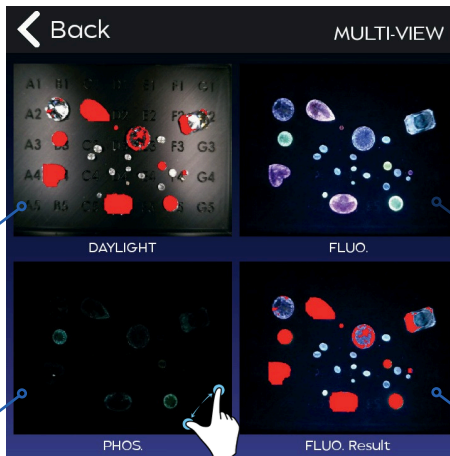
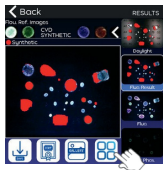


Select image for bigger view

-  Multi-View
-  View All Results Images in Gallery
-  Generate Certificate
-  Save Results to Gallery

X.TEST RESULTS AND ANALYSIS

Multi-View



Daylight
with Result

Fluorescent

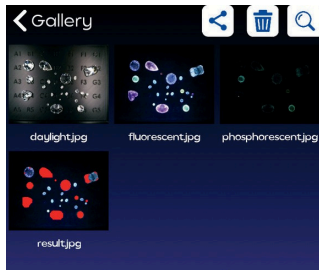
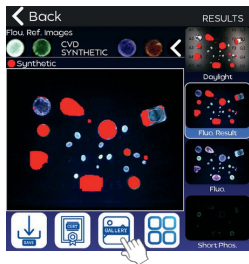
Phosphorescent

Fluorescent
with Result

“Pinch to zoom on any image, and the rest of the views will automatically adjust accordingly”

Stones with **Red Marks** = **Synthetic / Lab Grown** Diamond
Stones without Red Marks = **Natural Diamond / Unknown** Stones

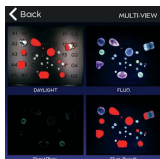
X. TEST RESULTS AND ANALYSIS



| Images Type | Discription |
|-----------------------|--|
| Daylight | Providing an accurate representation of the sample's true color and appearance under natural daylight. |
| Fluorescent | Shows under UV light, demonstrating the fluorescence characteristics of the sample. |
| Phosphorescent | Shows the gemstone's phosphorescence, demonstrating how it emits light after absorbing UVC light during testing. |
| Result | Result image shows red markings to indicate synthetic or lab-grown diamonds. |

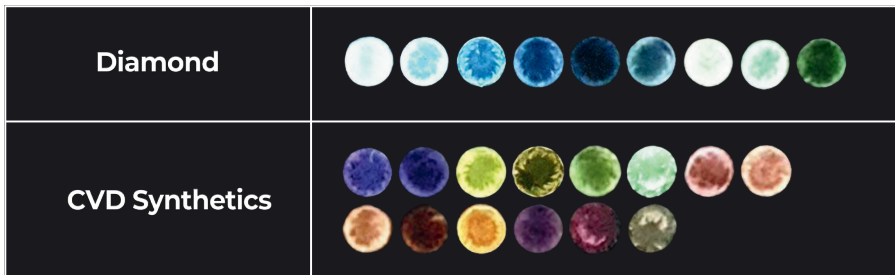
X.TEST RESULTS AND ANALYSIS

Test Result Analysis



Important:
" Stones without red markings must be compared with the given fluorescent reference images to confirm their type. "

Here are the Fluorescent Reference Images:



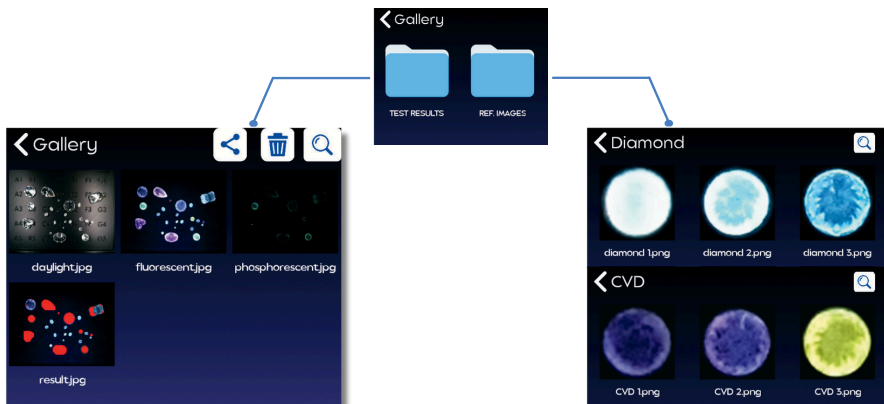
X. TEST RESULTS AND ANALYSIS

Fluorescent and Phosphorescent Characteristics of Natural Diamonds, Lab-grown Diamonds, and Diamond Simulants

| STONE TYPE | FLUORESCENT | PHOSPHORESCENT |
|-------------------|---|-----------------------|
| Natural Diamond | Compare with fluorescent reference images | None |
| CVD Synthetic | Compare with fluorescent reference images | None |
| HPHT Synthetic | Has high glow Bluish, some are bright white color image | Bluish |
| Moissanite | None | None |
| CZ | Bluish (Low glow) | None |

XI. GALLERY VIEWING

View, manage, or delete saved results from the device gallery. Reference images for different stones are accessible as well.

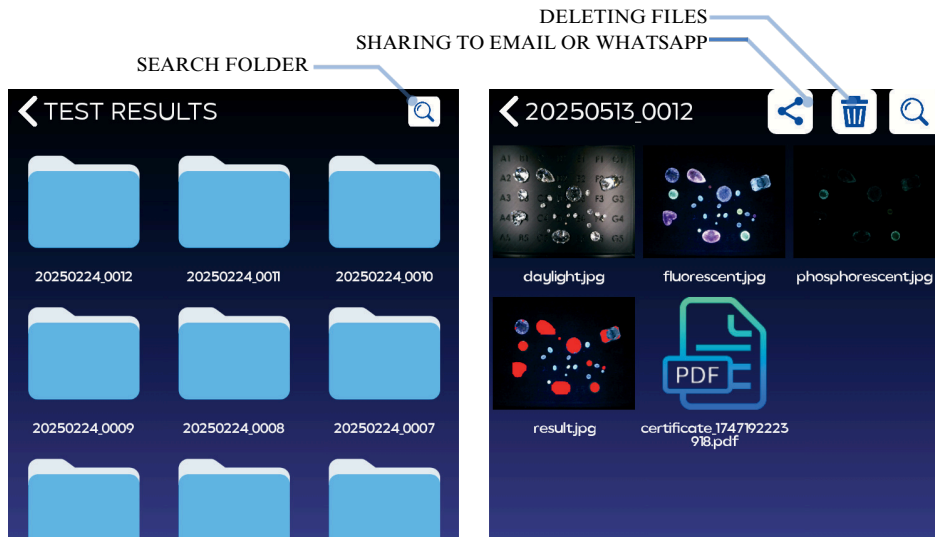


SAVED TEST RESULTS

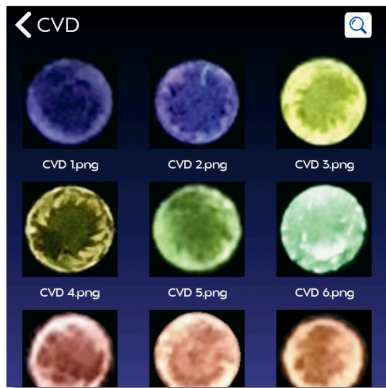
FLUORESCENCE IMAGES

XI. GALLERY VIEWING

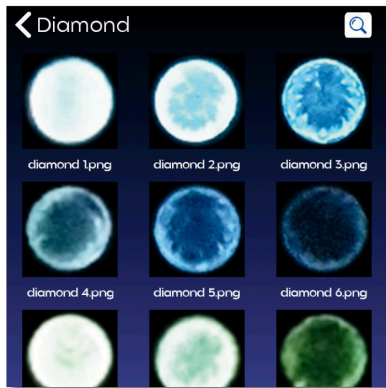
View Result Folder



UV FLUORESCENCE REFERENCE IMAGES



CVD



DIAMOND

XII. CERTIFICATION

Test Certificate Sample

 **SMARTPRO**

SPI 20250223-0004 23 FEB 2025



Daylight Image



Fluo. Image

Stones with Red markings are Synthetic.



Fluo. Result Image

Result Images

Seller Name:
Batch No:
LOT No:
SKU:
Remarks:

User Inputs here



SMARTPRO
TESTED

THIS CERTIFICATION IS GENERATED BY SMARTPRO AURA IQ
COLOR AND CLARITY GRADE ARE NOT TESTED
SMARTPRO INSTRUMENT CO., LTD.
86/10 MOO 8 NADI, AMPHOJE MUJEANG SAMUT SAKHON, SAMUT SAKHON, 74000,
THAILAND.
WWW.SMARTPROINSTRUMENT.COM

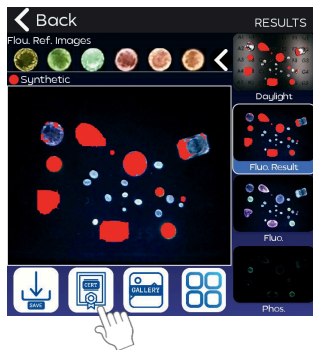


WWW.SMARTPROINSTRUMENT.COM

Important Disclaimer:
Our Company shall not be responsible for any damage or loss resulting from the use of the tester and under no circumstances shall Smartpro, any of its subsidiaries, licensors, distributors, resellers, servants and no warranties of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

XII. CERTIFICATION

Default Certificate



Default - Smartpro default logo and company details

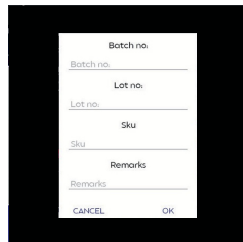


XII. CERTIFICATION

Custom Certificate

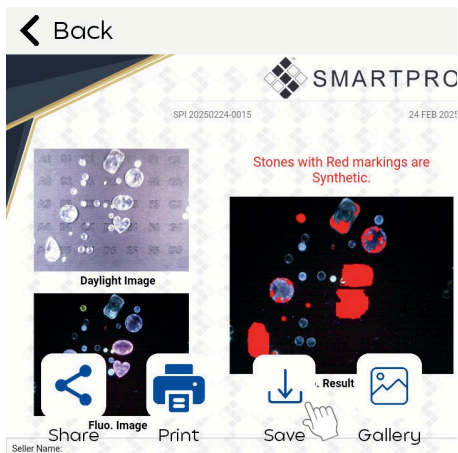


Custom – User can custom logo and company details picture.

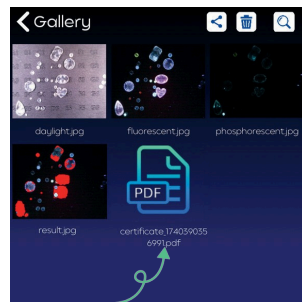


XII. CERTIFICATION

Save Certificate



Save the test certificate to the Gallery along with other related captured images. The file will be saved in PDF format.



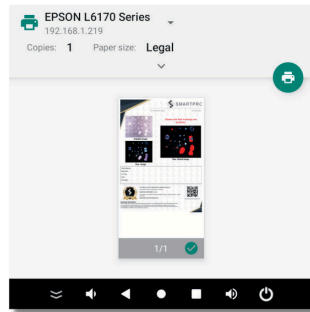
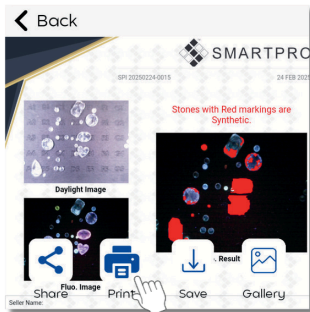
XIII. PRINTING SHARING IMAGE / CERTIFICATE

Printing

- Navigate to the test result or certificate preview screen.
- Tap the print icon located at the bottom of the interface.
- Select a printer from the list of available devices.
- Confirm and begin printing the certificate.



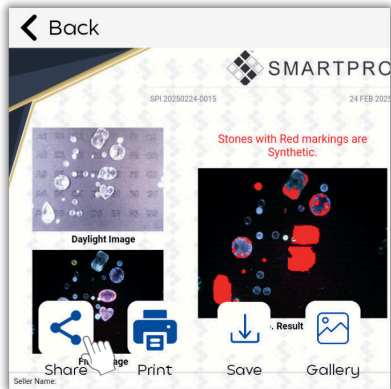
Use ISO A4 format when printing.



XIII. SHARING IMAGE / CERTIFICATE

Sharing


- Open the desired test result or certificate preview.
- Tap the share icon and choose either 'Email' or 'WhatsApp'.
- Enter the recipient's information (email address or phone number).
- Send the certificate directly from the device.



XIV. SETTINGS




 **Wi-Fi Connectivity**
– Connects to the Wi-Fi router for internet access, software updates, image/certificate sharing, and TeamViewer/AnyDesk support.

 **Screen Share**
– Enables you to share your screen to a larger display in real-time.

 **Check for Updates**
– Check for the latest software version. Internet connection is required.

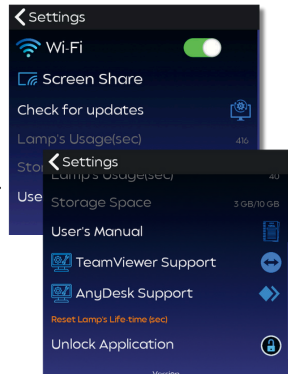
 **Lamp Usage (sec)**
– This indicates the total used time of the lamp in seconds.

 **Storage Space**
– Shows the used space out of the total available memory. If space is insufficient, delete folders from the Gallery.

 **User's Manual**
– this includes the User's Manual and some supporting files which may be useful in using the Smartpro Aura IQ.

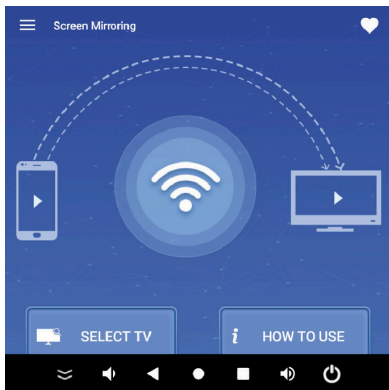
 **Online Support TeamViewer/AnyDesk**
– this is used to remotely control online for support. Give the Teamviewer ID number to your Distributor or to Smartpro Technical Support Team to connect and support online. Internet connection is required.

 **Unlock Application**
– Unlock Application to access other Apps & Settings (for Technical Support)



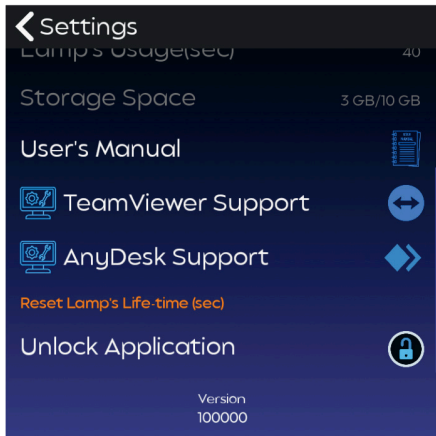
XV. SCREEN SHARE

- Connect both your device and the display to the same Wi-Fi network.
- Enable Wireless Display or Screen Mirroring on the display.
- On your device, go to Settings > Cast / Screen Mirroring.
- Select the display name to start sharing your screen.



XVI. ONLINE SUPPORT

Online support is available via remote access tools such as TeamViewer and AnyDesk, allowing our technicians to assist you directly with setup, troubleshooting, or updates.



XVII. SAFE HANDLING & MAINTENANCE

To ensure the long-term reliability and performance of your AURA IQ device, follow these safety and maintenance guidelines:

- Operate the device in a clean, dry, and stable environment. Avoid exposure to moisture, direct sunlight, or extreme temperatures.
- Use only the original power adapter and certified accessories provided by SmartPro.
- Keep the camera lens, trays, and LED area clean. Use a microfiber cloth to gently remove dust and debris.
- Never use chemical cleaners, water, or sharp tools to clean the device.
- Do not obstruct the ventilation slots located at the rear and bottom of the unit. Proper airflow is essential to prevent overheating.
- Ensure that the trays and middle covers are properly aligned and seated before each test.
- Periodically check for software updates via the Main Settings menu to ensure optimal performance and feature enhancements.
- Store the device in its original packaging or a protective case when not in use.
- If the device will be unused for an extended period, disconnect it from the power source.

XVIII. TROUBLESHOOTING

If the AURA IQ device is not functioning correctly, follow the troubleshooting steps below before contacting technical support:

- Ensure the tray and cover are properly aligned. Misalignment can interfere with camera accuracy.
- Restart the device using the power button to resolve temporary software issues.
- Verify there is enough storage space. Delete old test results or images if needed.
- Check your Wi-Fi connection if you're using cloud features or online sharing.
- Ensure the device software is up to date by checking the 'Main Settings' page.
- For remote support, connect with our technicians via TeamViewer or AnyDesk.

If issues are not solved from the Troubleshooting guide or if any have other issues, do not open the device. Contact us **<http://www.smartproinstrument.com/pages/contact-us>**

We thank you for purchasing **Smartpro AURA IQ (SPAIQ)**. Enjoy! Smartpro recommends to register your warranty by sending the warranty registration card to us or registering online at <https://www.smartproinstrument.com>.

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